

**Claims**

Claim 12. (Currently Amended) A method of adjusting a fiber pigtailed assembly for coupling light from an optical fiber to an optical detector with low back reflectance and minimum polarization-dependent responsivity comprising the steps of:

providing a source of light having a plurality of polarization states to the optical fiber;

adjusting a rotation angle between a beveled end of the optical fiber and a detector surface of the optical detector adjacent the beveled end about an optical axis of the optical fiber, the detector surface being tilted with respect to the beveled end, while observing an electrical output from the optical detector for a minimum peak-to-peak value.

Claim 13. (Original) The method as recited in claim 12 further comprising the steps of:

adjusting a tilt angle between the detector surface and the beveled end while observing the electrical output from the optical detector for the minimum peak-to-peak value; and

iterating the rotation and tilt angle adjusting steps as necessary to obtain the lowest minimum peak-to-peak value for the electrical output.